. INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7   G06F17/22   G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7   G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	BRAY T ET AL: "Extensible Markup Language (XML) 1.0 (3rd edition) W3C Recommendation" W3C STANDARD, 4 February 2004 (2004-02-04), XP002322413 section 3.2.1 section E "Deterministic Content Models (Non-Normative)"	1-12
T	ANONYMOUS: "PRB: 'Schema Is Non-Deterministic' Error Message" ONLINE PUBLICATION, XP002349296 Retrieved from the Internet: URL:http://support.microsoft.com/default.a spx?scid=kb;EN-US;q316297> 'retrieved on 2005-10-14! the whole document	1-12

-/--

| X | Further documents are listed in the continuation of box C. | | Patent family members are listed in annex. |

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
14 October 2005	28/10/2005

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Stauch, M

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category°	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	AHONEN H: "Automatic generation of SGML content models" ELECTRONIC PUBLISHING: ORIGINATION, DISSEMINATION AND DESIGN WILEY UK, vol. 8, no. 2-3, June 1995 (1995-06), pages 195-206, XP002349145 ISSN: 0894-3982 section 1	1-12
T	AHONEN H: "Disambiguation of SGML content models" PRINCIPLES OF DOCUMENT PROCESSING. THIRD INTERNATIONAL WORKSHOP, PODP'96. PROCEEDINGS SPRINGER-VERLAG BERLIN, GERMANY, 1997, pages 27-37, XP002349146 ISBN: 3-540-63620-X abstract section 1	1,6,7, 9-12
X	CHUANG-HUE MOH ET AL: "DTD-Miner: a tool for mining DTD from XML documents" PROCEEDINGS SECOND INTERNATIONAL WORKSHOP ON ADVANCED ISSUES OF E-COMMERCE AND WEB-BASED INFORMATION SYSTEMS. WECWIS 2000 IEEE COMPUT. SOC LOS ALAMITOS, CA, USA, 2000, XP002349143 ISBN: 0-7695-0610-0 the whole document	1-12
X	JONG-SEOK JEONG ET AL: "Extracting information from semi-structured internet sources" INDUSTRIAL ELECTRONICS, 2001. PROCEEDINGS. ISIE 2001. IEEE INTERNATIONAL SYMPOSIUM ON JUNE 12-16, 2001, PISCATAWAY, NJ, USA,IEEE, vol. 2, 12 June 2001 (2001-06-12), pages 1378-1381, XP010548669 ISBN: 0-7803-7090-2 section 3	1-12
X	JONG-SEOK JUNG ET AL: "Extracting information from XML documents by reverse generating a DTD" EURASIA-ICT 2002: INFORMATION AND COMMUNICATION TECHNOLOGY. FIRST EURASIAN CONFERENCE. PROCEEDINGS (LECTURE NOTES IN COMPUTER SCIENCE VOL.2510) SPRINGER-VERLAG BERLIN, GERMANY, 2002, pages 314-321, XP002349144 ISBN: 3-540-00028-3 the whole document	1-12

-/--

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	INTERNATIONAL BUSINESS MACHINES CORPORATION: "System and method for java serialization compatibility using XML" RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, WESTBOURNE, GB, vol. 455, no. 159, March 2002 (2002-03), XP007130094 ISSN: 0374-4353 the whole document	1-5,7-12
A	GOESCHKA K M ET AL: "XML based robust client-server communication for a distributed telecommunication management system" SYSTEM SCIENCES, 2003. PROCEEDINGS OF THE 36TH ANNUAL HAWAII INTERNATIONAL CONFERENCE ON 6-9 JAN. 2003, PISCATAWAY, NJ, USA,IEEE, 6 January 2003 (2003-01-06), pages 122-131, XP010626425 ISBN: 0-7695-1874-5 section 3 abstract	1,7,9-12
A	KAY M H: "DTDGen - XML DTD Generator" ONLINE PUIBLICATION, 28 April 1998 (1998-04-28), XP002225792 the whole document	1,6,7, 9-12